# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 22 May 2021 until 23:59 on Sunday 23 May 2021

Forecast Issued on Friday 21 May 2021 at 16:11

**Confidence:** Moderate to high in overall trend, lower confidence in detail of showers.

**Headline for Saturday 22 May 2021:** Cloud lifting and breaking to allow sunny intervals, but with afternoon showers. Winds easing.

**Mountain weather hazards on Saturday 22 May 2021**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
Low Likelihood

**Severe chill effect**
Medium Likelihood

**Poor visibility**
High Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
Low Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| FOG | FOG | FOG | | | | | |
| Fog | Fog | Fog | Cloudy | Light rain showers | Light rain showers | Sunny intervals | Partly cloudy (night) |
| Precipitation probability | | | | | | | |
| 30% | 30% | 30% | 20% | 30% | 30% | 20% | 10% |

**Forecast for Saturday 22 May 2021**

**Weather:** Overcast at first with hill tops shrouded in cloud. Outbreaks of rain will ease by dawn. Cloud lifting and breaking during the morning to allow sunny intervals, but with afternoon showers. Strong winds at first will ease.

**Chance of cloud free mountain/hill tops above 600m:** Around 20 percent in the early hours with low cloud cover, becoming 90 percent as cloud lifts and breaks.

**Visibility:** Moderate in rain and drizzle at first, very poor in widespread fog on peaks. Becoming mainly good or very good, but moderate in afternoon showers.

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# Mountain Weather Forecast

**Forecast for Saturday 22 May 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 19/28 N | 17/25 N | 15/22 NW | 12/18 NW | 11/17 W | 14/20 W | 14/22 W | 11/19 W | 8/13 SW |
| **300** | 15/28 N | 14/25 NW | 13/23 NW | 10/18 NW | 8/16 NW | 10/19 W | 11/21 W | 8/20 W | 5/12 SW |
| **Valley** | 13/28 N | 13/27 N | 8/19 NW | 8/16 NW | 11/19 W | 11/20 W | 11/21 W | 5/15 W | 3/7 NW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 3/-3 | 2/-4 | 1/-4 | 3/-2 | 5/1 | 6/2 | 5/1 | 4/-0 | 2/-2 |
| **300** | 5/0 | 4/-1 | 4/-0 | 6/3 | 8/6 | 9/6 | 8/5 | 5/2 | 4/2 |
| **Valley** | 6/2 | 5/1 | 6/3 | 8/5 | 9/7 | 11/8 | 10/7 | 5/4 | 4/3 |
| **Freezing Level*** | 1400m | 1100m | 800m | 800m | 900m | 900m | 1000m | 900m | 900m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Feeling chilly in brisk winds, strong or near gale at first on exposed hills, and low single figure temperatures on peaks.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 14:00 on Fri 21 May 2021 | 45.2mm | 55.2mm | 55.6mm |

**Forecast for Sunday 23 May 2021**

**Weather:** An early ground frost is possible. Sunny spells, and broken cloud, and a few showers during the morning, perhaps wintry on peaks for a time. Cloud increasing with a band of heavy rain later in the afternoon and evening. Cloud will lower and cover peaks in the rain band.

**Maximum wind:** Southwesterly winds will strengthen to near gale, with gusts to 45 mph in periods of rain later.

**Chance of cloud free mountain/hill tops above 600m:** 90 percent during the morning, becoming 20 percent in heavy rain later.

**Visibility:** Mainly good or very good during the morning, locally moderate in showers. Becoming poor in heavy rain, and very poor in widespread fog at higher altitudes.

**Temperature:** **Valleys:** 2 deg bec 11 deg C
**At 600m:** 1 deg C bec 5 deg C
**Freezing level:** Near the peaks at first, rising later.

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